TECHNICAL DATA SHEET	Edition: 1	Version: 3
SIPROFIX BK-160 White	**RZ-TLP-015-05**	**Date: 26.12.2021.**
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1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Trade name of the product: SiproFix BK-160 White

Details about the manufacturer:
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2. DESCRIPTION AND SCOPE

SiproFix BK-160 White is a flexible, high-quality polymer-cement adhesive used for laying ceramic and granite tiles in the interior and exterior. It is used for laying ceramic tiles dimensions 120x80cm, marble, granite, natural and artificial stone, as well as for applications onto surfaces with pre-existing tiles.
Suitable for laying absorbent and non-absorbent tiles, as well as tiles of larger formats. It is recommended for use in bathrooms, kitchens, balconies, terraces and underfloor heating systems. It can be used for tiling swimming pools and other objects filled with water in a system with BK-Hidrostop 1, BK-Hidrostop 2, BK-Hidrostop 5/5, BK-Hidrostop Extra and BK-Hidrostop Premium waterproofing coatings. SiproFix BK-160 White is classified according to the EN 12004 standard as C2TE.

3.COMPOSITION

Chemical composition: White Portland cement, polymer binder, additives, mineral filler.
Hazardous substances: In accordance with the (EC) Regulation No. 1272/2008 on classification, labelling and packaging of substances and mixtures, through which the CLP/GHS classification and labeling system was introduced into law, white Portland cement is a hazardous substance. The product is therefore classified a hazardous one with the following label: Hazard

4. TECHNICAL CHARACTERISTICS

Bulk density, g/cm³	1100-1300
Adhesion hardness MPa, (EN 12004)	
⅄ **initial**	≥ 1
⅄ **after standing in water**	≥ 1
⅄ **after temperature aging**	≥ 1
⅄ **after a freeze-thraw cycle**	≥ 1

Adhesion hardness after 30 min MPa, open time, (EN 12004)	≥ 0,5
Sliding, mm , (EN 12004)	< 0,5
Indecative consumption, kg/m²	~3-5 depending on the substrate thickness and application
Packaging, kg	25;

5. OTHER CHARACTERISTICS

Appearance: White powder
Wet adhesive pH value: 11-13

6. SUBSTRATE

The surface to which the adhesive is applied must be firm, clean, and dry, without poorly bound parts, greasy stains, etc. The following surfaces are appropriate: cement-lime mortars (at least one month old), concrete surfaces (at least three months old), gypsum-cardboard panels, fiber-cement panels, etc. Filling in the cracks 5-6 mm can be done with adhesive 24h before laying the tiles. Filling in larger cracks and leveling out in greater thickness must be done using mortar BK-Mal 220 mortar, not adhesive. Before laying the tiles it is recommended to coat with BK-Ultra Prime substrate in order to improve the adhesion. When it comes to old and uneven absorbing substrates, as well as when it comes to porous highly absorbent surfaces, it is necessary to coat the substrate with dulited BK-Bond, min. 4h before laying the tiles. When laying onto surfaces where there are already tiles, you must check how firm they are attached, without crowning the glaze. If they are not firmly attached, existing tiles must be removed. If they are firmly attached, you may proceed with attaching tiles. Existing tiles must be cleaned well and washed and then apply undiluted BK – Bond to the dried tiles according to the instructions. After min.6h drying in normal conditions (23 ° C and 50-60% r.v.v.), when the coating reaches scratch resistance, tile bonding can be started.
In case of laying tiles on surfaces infected with wall mold, it is necessary to disinfect with BK-Sanicide.

7. PREPARATION AND APPLICATION

Preparation of the mass is performed by lightly adding the powder into about 26-28 % of water (6,5-7 l of water to 25 kg powder), with intensive stirring using an electric blender until the mass becomes fully homogenized. The mass must be left to set for at least 10 minutes. After that, stir yet again and, if needed, add water in order to set the appropriate adhesive consistency. The adhesive is applied using a notched trowel onto the surface. The usual length of teeth is 4 to 6mm when attaching normal ceramic tiles 10-25 cm in size. Tools with larger teeth are used for attaching larger tiles. When laying mosaic and smaller tiles, smaller tools with shorter teeth must be used. Press the tiles into the layer of adhesive on the substrate. When applying the adhesive using a

notched trowel, make sure that at least 65% of the surface of the tile is covered with adhesive if used in the interior, and at least 90% if used in the exterior. In the case of laying tiles on loaded surfaces, as well as in the case of laying tiles of larger formats, apply the adhesive with a notched trowel on the back of the tile, which creates a contact surface between the adhesive and the tile of min. 90%. Open time of the adhesive applied under normal conditions (T=+23-25 ºC, relative humidity=50-60%) is at least 30 minutes, so the surface to which the adhesive is applied during installation must be planned accordingly. Tiles should be laid while the adhesive is fresh (before crust formation). The stated open time is considerably shortened in the conditions of higher temperatures, absorbent surfaces, wind, etc.When working with highly absorbent tiles, they must be previously soaked in water. The prepared adhesion mass is good for use up to 2 hours, depending on conditions at installation. Air and surface temperature during installation should be in the +5 ºC to +25 ºC range. High moisture and low temperatures may lengthen the drying time. Under normal conditions it takes 24 hours of drying for the surface to be able to support light walking and grouting. Under normal conditions it takes 7 days of drying for the surface to be fully functional.

8. CLEANING OF TOOLS

All tools must be thoroughly washed using water immediately after use. If the tools are not washed immediately after use, remove the hardened residue mechanically.

9. HANDLING AND STORAGE

The material must be transported in sealed bags. If the product is used in closed rooms, make sure the space is well ventilated. Protect your eyes and skin when working with wet adhesive due to an alkaline reaction. Keep out of reach of children. Store the material in dry rooms, on pallets, protected from moisture. Shelf life: 12 months.

10. PERSONAL PROTECTION

Respiratory tract protection: In case the process causes excessive dust, use a face mask. Hands and body protection: Use safety gloves. Wash hands using water each time the work is interrupted. Use long-sleeve work overalls. Eye protection: Use safety goggles in order to protect the eyes from the dust and wet adhesive.

11. REGULATION INFORMATION

U In accordance with the (EC) Regulation No. 1272/2008 on classification, labelling and packaging of substances and mixtures, through which the CLP/GHS classification and labeling system was introduced into law, grey Portland cement is a hazardous substance. The product is therefore classified a hazardous one with the following label: Hazard

Hazard

Skin irritation, Category 2: H315
Skin sensitization, category 1: H317
Heavy eye damage, Category 1: H318
Specific target organ toxicity - single exposure, respiratory tract irritation, category 3: H335

H-labels:
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation
P-labels:
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Seek medical advice/opinion.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

12. ECOTOXICOLOGICAL INFORMATION

Based on experiences and information currently available, no negative health effects are known when the product is used appropriately. Prevent uncontrolled discharge into waterways because an alkaline reaction may occur.

13. DISPOSAL METHOD

In accordance with local/regional/European/national regulations.

14. OTHER INFORMATION

If the contractor notices an aesthetic or application deficiency while using the adhesive, he is obliged to cease the works and notify the manufacturer of this. The manufacturer will consider the claim in the shortest possible time frame. Complaints to the manufacturer upon using a significant portion or the entire amount of the materials are not subject to claims.

15. NOTE

Banja Komerc Bekament DOO performs product quality checks using its own laboratories. It also regularly tests its products in certified laboratories. The Data Sheet is the product of our knowledge and previous practical experience. The purpose of the

Data Sheet is to serve as a recommendation in order to achieve the best possible results. If weather and other conditions are different than those described in our instructions, our instructions need to be taken as general guidelines, without an installation warranty. Banja Komerc Bekament DOO assumes no liability for damages resulting from the improper use or incorrect product selection, as well as for poorly executed work. It is assumed that the contractor has mastered the techniques of installing and use of various products. Matters written herein bind us in no way.
This document supersedes all previous versions, which are considered invalid from the specified date.

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